



Sunday 17 November 2013

17:30 - 19:00 Pre-registration & Welcome Drink

Monday 18 November 2013

Mon 9:00 – 9:30 Opening Session

Chair: J.-P. Poncelet, European Nuclear Society and F. López, Spanish Nuclear Society

Welcome Addresses

SPANISH EXPERIENCE IN NUCLEAR EDUCATION AND TRAINING, A. A. Santos, Spanish Nuclear Society
G. Jimenez, Spanish Nuclear Society – Spanish Young Generation Network

Mon 9:30 – 11:30 Plenary Session: Setting the framework

Chair: J. Tipa, National Skills Academy Nuclear, United Kingdom

Keynote

A0088	MAINTAINING NUCLEAR COMPETENCE WITHIN THE EU	Boeck, H. (1, 2); Radde, E. (2); Salletmeier, M. (2) 1 – ENS High Scientific Council 2 – Institut of Atomic and Subatomic Physics/Austrian Nuclear Society (ÖKTG), Austria
A0079	TOWARDS A NEW GOVERNANCE FOR EURATOM RESEARCH AND TRAINING PROGRAMMES IN NUCLEAR FISSION AND RADIATION PROTECTION	Van Goethem, G. (1); Von Estorff, U. (2) 1 - EC DG RTD 2 – EC DG JRC/IET
	OVERVIEW ON THE ECVET APPROACH	Von Estorff, U. (2) 1 – EC DG JRC/IET
	EDUCATION AND TRAINING FOR NUCLEAR FUSION	Lopes Cardozo, N. (1) 1- University of Eindhoven, Netherlands
	NUCLEAR KNOWLEDGE MANAGEMENT AND EDUCATION	Sbaffoni, M. (1) 1- IAEA

11:30 – 11:50 Coffee break

NESTet 2013

NUCLEAR EDUCATION AND TRAINING



Mon 11:50 – 13:00 What are the needs with regard to nuclear education and training? I

Chair: J.-P. Poncelet, European Nuclear Society

A0019	FROM OPERATION TO DECOMMISSIONING, A TRAINING CHALLENGE IN JOSE CABRERA NPP	Martín, J. E. (1); Gomez, C. (1); Escamilla, R. (1); Boque, J. (2) 1 - Gas Natural Fenosa Engineering, Spain 2 - ENRESA, Spain
A0072	HIGHER LEVEL ACADEMIC NUCLEAR ENGINEERING EDUCATION IN FINLAND – NEED OF POST GRADUATES?	Salomaa, R. (1); Ala-Heikkilä, J. (1); Tuomisto, F. (1); Kyrki-Rajamäki, R. (2); Lehto, J. (3); Harjula, R. (3); Olin, M. (4); Vanttola, T. (4); Palmu, M. (5); Brandt, T. (6); Heikinheimo, L. (7); Hyvärinen, J. (8); Koskinen, K. (9); Aurela, J. (10); Avolahti, J. (10) 1 - Aalto University School of Science, Finland 2 - Lappeenranta University of Technology, Finland 3 - University of Helsinki, Finland 4 - VTT Technical Research Centre, Finland 5 - Posiva Oy, Finland 6 - Fortum Power and Heat Oy, Finland 7 - Teollisuuden Voima Oy, Finland 8 - Fennovoima Oy, Finland 9 - Radiation and Nuclear Safety Authority STUK, Finland 10 - Ministry of Employment and the Economy, Finland
A0070	REVISITING THE SLOVENIAN PH.D. THESES IN NUCLEAR ENGINEERING: IS USE-INSPIRED BASIC RESEARCH AN APPROPRIATE GOAL?	Cizelj, L. (1); Kljenak, I. (1); Tiselj, I. (2) 1 - Jožef Stefan Institute, Reactor Engineering Division, Slovenia 2 - Faculty of Mathematics and Physics, University of Ljubljana, Slovenia
A0075	COLLABORATIVE TRAINING DEVELOPMENT IN NUCLEAR WASTE MANAGEMENT IN FINLAND	Palmu, M. (1); Avolahti, J. (2); Hutri, K.-L. (3); Markovaara-Koivisto, M. (4) 1 - Posiva Oy, Finland 2 - Ministry of Employment and the Economy, Finland 3 - STUK Radiation and Nuclear Safety Authority Finland, Finland 4 - Geological Survey of Finland, Finland

13:10 – 14:00 Lunch



Mon 14:00 – 15:30 Parallel Session: What are the needs with regard to nuclear education and training? II

Chair: H. Boeck, Institut of Atomic and Subatomic Physics/Austrian Nuclear Society (ÖKTG), Austria

A0012	DEVELOPMENT AND ACTIVITIES OF THE PROJECT "ENGINEERING RESEARCH AND EDUCATION ON SAFETY AND SECURITY UNDER LOW-LEVEL RADIATION ENVIRONMENT"	Nakai, A. (1); Suzuki, K. (1); Ichikawa, Y. (2); Taniguchi, T. (2) 1 - Graduate School of Natural Science & Technology, Okayama University, Japan 2 - Graduate School of Environmental and life Science, Okayama University, Japan
A0048	INSTN: THE CEA INSTITUTION COMMITTED TO NUCLEAR SCIENCE EDUCATION IN FRANCE	Vitart, X. (1); Safieh, J. (1); Hammadi, A. (1); Ceccarelli, E. (1) 1 - National Institute for Nuclear science and Technology (INSTN), France
A0052	TRAINING IN AP1000® MAIN CONTROL ROOM	Sajardo Jimenez, E. (1); Galindo Rodriguez, J. (1) 1 - International Training Centre, TECNATOM, Spain
A0083	OPTIONS FOR AN INTERNATIONAL NUCLEAR TRAINING STANDARDS ACCREDITATION MODEL	Drury, D. (1) 1 - EDF Energy, United Kingdom
A0090	IMPROVING TRANSFER OF SAFETY TRAINING TO MAXIMISE RETURN ON INVESTMENT	Blair, C. (1); Brown, M. (1); Krauss, A. (1); Michrowski, E. (1); 1- Sentis, Australia

Mon 14:00 – 15:30 Parallel Session: Where are efforts on harmonisation needed?

Chair: C. Castelao, Consejo de Seguridad Nuclear (CSN), Spain

A0021	10-YEAR EXPERIENCE OF EUROPEAN NUCLEAR EDUCATION NETWORK	Ambrosini, W. (1); De Regge, P. P. (2); Kusumi, R. (2) 1 - Universita' di Pisa, Italy 2 - European Nuclear Education Network Association, France
A0042	SPECIFIC APPROACHES USED FOR DEVELOPMENT OF TRAINING SCHEMES WITHIN THE FRAMEWORK OF PROJECT CORONA - ESTABLISHMENT OF A REGIONAL CENTER OF COMPETENCE FOR VVER TECHNOLOGY AND NUCLEAR APPLICATIONS	Krivoshieva, N. (1) 1 - Kozloduy NPP. Plc., Bulgaria
A0082	THE CMET WORKING GROUP ACTIONS WITHIN IGD-TP. FEASIBILITY OF VOLUNTARY ACCREDITATION IN GEOLOGICAL DISPOSAL USING ECNET APPROACH.	Palmu, M. (1); Cantone, M. C. (2); Paiva, I. (3); Vivalda, C. (4) 1 - Posiva Oy, Finland 2 - University of Milan, Italy 3 - Instituto Superior Técnico/Nuclear and Technological Centre, Portugal 4 - Vivalda Scientific Services, Italy
A0096	ENS/FORATOM EDUCATION, TRAINING AND KNOWLEDGE MANAGEMENT TASK FORCE' S RECOMMENDATIONS	Coeck, M. (1); Delgado, J. L. (2); Vacheva, I. (3); Parker, G. (3); Janisz, E. (4) 1 - SCK•CEN, Belgium 2 - Tecnatom, Spain 3 - FORATOM, Belgium 4 - ENS, Belgium



15:30 – 16:00 Coffee Break

Mon 16:00 – 17:40 Parallel Session: What are the answers that help to close the gap? I

Chair: J. Tipa, National Skills Academy Nuclear, United Kingdom

A0002	SYSTEMATIC APPROACH TO MEET THE DEMAND FOR HIGHLY SKILLED PERSONNEL AT NUCLEAR REGULATORY AUTHORITIES AND TECHNICAL SAFETY ORGANIZATIONS	Braunegger -Guelich, A. (1); Louvat, D. (1) 1 - European Nuclear Safety Training and Tutoring Institute (ENSTTI), France
A0005	THE WORLD NUCLEAR UNIVERSITY: DEVELOPING THE LEADERS WE NEED FOR OUR NUCLEAR FUTURE	Stafford, I. (1) 1 - World Nuclear University, United Kingdom
A0010	UNIVERSITY EDUCATION FOR THE GRADUATE WORKFORCE	Roberts, J. (1) 1 - The University of Manchester, United Kingdom
A0016	PROFESSIONAL MODULE-BASED TRAINING IN NUCLEAR ENGINEERING	Kettler, J. (1); Havenith, A. (1); Lethen, J. (1) 1 - Aachen Institute for Nuclear Training, Germany
A0020	CHALLENGES IN NUCLEAR EDUCATION AND TRAINING AT THE GERMAN TSO GRS	Lazaar, A. (1); Jelinski, M. (1); Wielenberg, A. (1) 1 - Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) mbH, Germany

Mon 16:00 – 17:40 Parallel Session: What is the situation with regard to infrastructure and tools for nuclear education and training? I

Chair: M. Garcés, Thunder España Simulación S.L., Spain

A0008	INFRASTRUCTURE, METHODOLOGIES AND EDUCATION TOOLS FOR NEW NUCLEAR DEVELOPMENT	Alonso Santos, A. (1) 1 - Madrid Polytechnic University, Spain
A0026	THE FUKUSHIMA ACCIDENT IMPACT ON SIMULATION TRAINING TOOLS	Rey, P. (1); Rivero, N. (1); Gil, E. (1) 1 - TECNATOM S.A, Spain
A0027	MULTIMEDIA TOOL FOR WWER TRAINING	Von Estorff, U. (1); Corniani, E. (1); Barboni, M. (1); Karseka, T. (2) 1 - European Commission Joint Research Centre, Netherlands 2 - International Atomic Energy Agency, Austria
A0040	CURRICULUM DEVELOPMENT FOR A MODULAR SHORT COURSE ON RADIATION EFFECTS IN ELECTRONICS	Landsberger, S. (1); Graham, J. (1) 1 - University of Texas, United States

NESTet 2013

NUCLEAR EDUCATION AND TRAINING



A0035	DEVELOPMENT OF NUCLEAR POWER TECHNOLOGY PROGRAMMES IN SOUTHEAST TEXAS (USA) THROUGH USE OF A COMMUNITY-BASED EDUCATIONAL COALITION TO ACHIEVE COOPERATION BETWEEN DIFFERENT STAKEHOLDERS	Henry, R. (1); Shawver, R. (2); Kieler, B. (1) 1 - Wharton County Junior College, United States 2 - Brazosport College, United States
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19:30 – 22:30 Conference Dinner

Tuesday 19 November 2013

Tue 8:40 – 11:00 Parallel Session: How to ensure that enough motivated workforce is available for the nuclear sector?

Chair: F. Sanchez, Tecnatom, Spain

A0001	BUILDING NUCLEAR INFRASTRUCTURE	Lolich, J. (1) 1 - Nuclear Education and Training Manager/INVAP, Argentina
A0015	EHRO-N AND THE HUMAN RESOURCES OF THE NUCLEAR ENERGY SECTOR. ANALYSIS OF DEMAND AND SUPPLY IN EUROPE	Von Estorff, U. (1); Simonovska, V. (1); Ferraro, G. (1); Barboni, M. (1) 1 - Institute for Energy and Transport, Joint Research Centre, European Commission, Netherlands
A0032	NEW SIMULATION TOOLS ACTING LIKE A MAGNET TO ATTRACT YOUNG ENGINEERS	Rey, P. (1); Rivero, N. (1); López, S. (1) 1 - TECNATOM S.A, Spain
A0033	CURRICULUM DEVELOPMENT FOR AN INTRODUCTORY COURSE IN NUCLEAR SCIENCE AND ENGINEERING	Landsberger, S. (1); Graham, J. (1) 1 - University of Texas, Nuclear Engineering Teaching Lab, United States
A0041	DOCTORAL EDUCATION IN NUCLEAR SCIENCE AND TECHNOLOGY AS AN IMPORTANT PRIORITY	Minguez, E. (1) 1 - Universidad Politecnica de Madrid, Spain
A0059	MOTIVATING YOUNG STUDENTS TO BE PART OF THE GLOBAL RESEARCH IN NUCLEAR THROUGH THE SEMINAR OF NUCLEAR FUSION	Jimenez, G. (1); Ochoa, R. (2); Barbas, A. (2) 1 - Nuclear Engineering Department, Universidad Politécnica de Madrid, Spain 2 - Jóvenes Nucleares (Spanish Young Generation in Nuclear), Spain
A0067	INFORMING THE YOUNG GENERATION AND THEIR TEACHERS ABOUT THE CONCEPTS OF NUCLEAR ENERGY AND RESEARCH	Coeck, M. (1); Clarijs, T. (1) 1 - Belgian Nuclear Research Centre, SCK•CEN Academy, Belgium



Tue 8:40 – 11:00 Parallel Session: What are the interactions between nuclear education and civil society?

Chair: M. Giot, Catholic University Louvain, Belgium

A0013	EMOTIONAL ASPECTS IN NUCLEAR CONFRONTATIONS: CAN STUDENTS LEARN FROM PAST SITUATIONS?	Michel, A. (1) 1 - Groupe Esperluète, Belgium
A0023	TRAIN AND BRING THE YOUNG GENERATION TO DISCOVER THE RADIOACTIVITY: AN ITALIAN PROJECT TO EDUCATE IN NUCLEAR SECTOR	Groppi, F. (1); Manenti, S. (1); Bonardi, M. L. (1); Gini, L. (1); Bazzocchi, A. (2) 1 - LASA, Radiochemistry Laboratory, Università degli Studi and INFN, Milan, Italy 2 - IIS Mattei, San Donato Milanese, Milano, Italy
A0097	RISKY KNOWLEDGE : E-LEARNING METHOD AND TOOL FOR SECURITY AND SAFETY DOMAINS	Pelud, L. (1); Ruiz Garcia, J.C. (2); 1 - SCASSI, France 2 - Universitat Polytechnic at de Valencia, Spain
A0057	OVERVIEW OF THE SPANISH FUEL CYCLE: TECHNICAL TOURS ORGANIZED BY SPANISH YOUNG GENERATION IN NUCLEAR (JÓVENES NUCLEARES, JJNN)	Rubio Oviedo, I. P. (1); Jiménez Varas, G. (1); Ochoa Valero, R. (1) 1 - Spanish Young Nuclear Generation (Jóvenes Nucleares, JJNN), Spain
A0071	HOW TO BUILD A NUCLEAR POWER PLANT? A KNOWLEDGE TRANSFER INITIATIVE	Vinuesa, A. (1); Jimenez, G. (2) 1 - TECNATOM S.A., Spain 2 - Nuclear Engineering Department, Universidad Politécnica de Madrid, Spain
A0078	RECENT DEVELOPMENTS IN NUCLEAR TRAINING AND EDUCATION – IN A NON NUCLEAR POWER COUNTRY	Radde, E. (1); Böck, H. (2); Salletmaier, M. (2); Lacial Molina, A. (3); Bannon, J. (4); Kahn, R. (5) 1 - Nuclear Engineering Seibersdorf, Austria 2 - Institut of Atomic and Subatomic Physics/Austrian Nuclear Society (ÖKTG), Austria 3 - EHRO-N /JRC, Italy 4 - E-squared Consulting GmbH, Austria 5 - PIEAS Islamabad, Pakistan

11:00 – 11:20 Coffee Break

Tue 11:20 – 12:20 Young Generation Workshop on the use of new technologies for education and training

Chair: E. Radde, ENS – Young Generation Network

	INNOVATIVE NUCLEAR TRAINING TOOLS INITIATIVE	Nieto Mora, J. M. (1) 1 - Tecnatom, Madrid 2 - Nuclear Engineering Department, Universidad Politécnica de Madrid, Spain
	CLICKERS, CRITICALITY AND THE FIVE FACTOR FORMULA	Lantz, M. (1) 1 - Uppsala University, Sweden



12:20 – 13:10 Lunch

13:10 – 14:00 Poster Session

Tue 14:00 – 16:00 Parallel Session: What are the answers that help to close the gap? II

Chair: J. Safieh, CEA, France

A0029	A SIGNIFICANT PROGRESS IN THE QUALITY OF TRAINING ORIENTED ON PERFORMANCE IMPROVEMENTS	Gonzalez Añez, F. (1); Delgado Criado, J. L. (1); Martinez Soria, J. L. (1) 1 - TECNATOM, SA, Spain
A0031	"MINDING THE GAP"- CONSISTENT REGULATORY TRAINING PROGRAM EVALUATIONS: AN APPROACH TO A COMPETENT WORKFORCE IN CANADA'S NUCLEAR SECTOR	Vesely, M. (1) 1 - Canadian Nuclear Safety Commission, Canada
A0034	TRAINING CAPABILITIES ANALYSIS OF THE SPANISH NUCLEAR INDUSTRY	Delgado, J.-L. (1); Gonzalez, J.-I. (1); 1 - TECNATOM, Spain
A0037	OPERATION AND MAINTENANCE OF NUCLEAR POWER PLANT TRAINING SIMULATORS - TRAINING PROGRAMS FOR SPECIALISTS AND EXECUTIVE STAFF	Holl, B. (1); Wischert, W. (1) 1 - KSG Kraftwerks-Simulator-Gesellschaft mbH, Germany
A0043	QUALIFICATION AND CERTIFICATION PROCEDURE FOR INSTRUCTORS IN THE NUCLEAR FIELD APPLICABLE TO BOTH EXPERIENCED AND NEW TRAINERS	Rödig, P. (1); Schönfelder, C. (1) 1 - AREVA GmbH, Germany
A0046	FILLING A GAP IN THE FIELD OF GEN IV NUCLEAR REACTORS E&T BY USING DISTANCE-TEACHING TOOLS; THE DEVELOPMENT AND IMPLEMENTATION OF A PILOT FULL-DISTANCE COURSE ON ADS SYSTEMS IN THE FRAMEWORK OF FP7 ENEN-III PROJECT	Alonso Ramos, M. (1); González Romero, E. M. (2); Ogando Serrano, F. (1); Sanz Gozalo, J. (1); Sánchez-Elvira Paniagua, A. (1) 1 - Universidad Nacional de Educación a Distancia (UNED), Madrid, Spain 2 - Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT), Madrid, Spain

Tue 14:00 – 16:00 Parallel Session: What is the situation with regard to infrastructure and tools for nuclear education and training? II

Chair: L. E. Herranz, CIEMAT, Spain

A0047	THE UTILIZATION OF REACTOR LR-0 FOR TRAINING PURPOSES	Milčák, J. (1); Řezáč, R. (1); Juříček, V. (1)
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		1 - Research Centre Rez, Czech Republic
A0050	A SIGNIFICANT BREAKTHROUGH IN EDF LICENSED OPERATOR TRAINING: ANS3.5 COMPLIANT FULL-SCOPE SIMULATORS USING CONTROL ROOM SOFTWARE REPLICA	Gain, P. (1); Bodin, P. (2); Muckensturm, G. (3) 1 - CORYS T.E.S.S - Grenoble, France 2 - EDF DPN - Site CAP AMPERE - Saint Denis, France 3 - EDF CIPN - Marseille, France
A0051	OPERATOR TRAINING ON SEVERE ACCIDENT AFTER FUKUSHIMA: A REAL-LIFE EXAMPLE	Garces, M. (1); Alonso, A. (1); Yarbrough, J. (2); Panfil, B. (3) 1 - Thunder España Simulación S.L., Spain 2 - Xcel Energy, United States 3 - CORYS T.E.S.S., United States
A0066	DIGITAL CLASSES IN PROVIDING EXPERIENTIAL LEARNING PLATFORM FOR STUDENTS WITH NO ACCESS TO EQUIPMENT AND LABS: AN EXAMPLE OF "DIGITAL NAA CLASS"	Jevremovic, T. (1); Rey, A. (1) 1 - Utah Nuclear Engineering Program, United States
	ESTABLISHING AN E&T PLATFORM ON NORM RELATED INDUSTRIES	Paiva, I. (1); Reis, M. (1); Portugal, L. (1); C. Oliveira C. (1) 1 - IST - Instituto Superior Técnico, Portugal
	CORPORATE ACADEMY OVERVIEW: WHAT IS THE SITUATION WITH REGARD TO INFRASTRUCTURE AND TOOLS FOR NUCLEAR EDUCATION AND TRAINING	Romanova, O. (1); Timofeeva, M. (1); Bukharina, A. (2) 1 - ROSATOM Academy, Russian Federation 2 - Rosatom Globalization Center, Russian Federation

16:00 – 16:20 Coffee Break

Tue 16:20 – 18:00 Parallel Session: What are the answers that help to close the gap? III

Chair: C. Schönfelder, AREVA NP, Germany

A0060	TECHNOLOGY AND MANAGEMENT FOR THE DECOMMISSIONING OF NUCLEAR FACILITIES	Emami-Far, H. (1); Stifi, A. (1); Secer, O. (1); Gentes, S. (1) 1 - Karlsruhe Institute of Technology (KIT), Germany
A0065	A NOVEL PARADIGM IN TRAINING AND EDUCATING NUCLEAR ENGINEERING STUDENTS ABOUT EFFECTIVE NUCLEAR SAFETY CULTURE	Jevremovic, T. (1) 1 - Utah Nuclear Engineering Program, United States
	CROWDSOURCING AS A TOOL OF RECRUITMENT TECHNIQUES FOR HIRING BEST AND BRIGHTEST GRADUATES	Karezin, V. (1); Nagibina, E. (1) 1 - ROSATOM, Russian Federation
A0080	THE EUROPEAN GENTLE PROJECT: LONG-LIFE TRAINING AND EDUCATION IN THE NUCLEAR FIELD	Konings, R. J. M. (1); Manara, D. (2); Pattick, R. (3); Ricotti, M. (4); Tamboer, R. (5); Tkaczyk, A. (6) 1 - Delft University of Technology,



Netherlands
 2 - European Commission, JRC ITU, Germany
 3 - University of Manchester, United Kingdom
 4 - Politecnico di Milano, Italy
 5 - TOPTECH, Delft, Netherlands
 6 - University of Tartu, Estonia

A0081	THE EUROPEAN NUCLEAR SAFETY AND SECURITY SCHOOL (EN3S)	Erdmann, N. (1); Konings, R. J. M. (1); Manara, D. (1); Van Winckel, S. (1) 1 - European Commission, Joint Research Centre, ITU, Germany
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Tue 16:20 – 18:00 Parallel Session: Centres of excellence - academia and their master programmes

Chair: J. Dies, Technical University of Catalonia, Spain

A0014	THE NUCLEAR SCIENCE AND TECHNOLOGY MASTER AT UNIVERSIDAD POLITÉCNICA DE MADRID	Ahnert, C. (1); Minguéz, E. (1); Perlado, J. M. (1); Gallego, E. (1); Velarde, P. (1); Cabellos, O. (1); Garcia-Herranz, N. (1); Cuervo, D. (1); Jimenez, G. (1); Coteló, M. (1); Lorente, A. (1); Rivera, A. (1); Gonzalez-Arrabal, R. (1); Del Rio, E. (1) 1 - Universidad Politécnica de Madrid, Spain
A0039	MASTER IN NUCLEAR ENGINEERING AND APPLICATIONS (MINA): A KNOWLEDGE MANAGEMENT TOOL OF THE SPANISH NUCLEAR INDUSTRY	Herranz, L. E. (1); García-Cuesta, J. C. (1); Falcón, S. (1); Casas, J. A. (2); Marco, M. (1) 1 - Centro de Investigaciones Energéticas Medioambientales y Tecnológicas (CIEMAT), Spain 2 - Universidad Autónoma de Madrid (UAM), Spain
A0055	MASTER IN NUCLEAR ENGINEERING IN BARCELONA: ALIGNING UNIVERSITY, UTILITY AND SOCIETY OBJECTIVES	Batet, L. (1); Calviño, F. (1); Dies, J. (1); Duch, M. A. (1); Del Val, L. (2); Fernández-Olano, P. (2) 1 - Universitat Politècnica de Catalunya (Barcelona TECH), Spain 2 - ENDESA, Spain
A0062	EUROPEAN MASTER IN INNOVATION IN NUCLEAR ENERGY (EMINE), THIRD EDITION ON PROGRESS.	Ferrié, E. (1); Carreira, M. (1); Gudowski, W. (2); Garrido, F. (3); Dies, J. (4); Batet, L. (4); Otic, I. (5); Patte, C. (6); Petiot, P. P. (6); Del Val, L. (7); Fernandez-Olano, P. (7); Jaras, P. (8); Fanjas, Y. (9); Blomgren, J. (10) 1 - Grenoble Institute of Technology (Grenoble INP), France 2 - Royal Institute of Technology (KTH), Stockholm, Sweden 3 - Paristech, France 4 - Technical University of Catalonia (UPC-Barcelona-tech), Spain 5 - KIT, Karlsruhe, Germany 6 - EDF, France 7 - ENDESA, Spain 8 - INSTN, CEA, France



9 - AREVA, France
10 - Vattenfall, Sweden

A0069	THE "DECOMMISSIONING AND WASTE MANAGEMENT SUMMER SCHOOL" AT THE JOINT RESEARCH CENTRE IN ISPRA, ITALY	Giuffrida, D. (1); Kockerols, P. (2) 1 - European Commission, Joint Research Centre of Ispra (ITALY), Nuclear Decommissioning Unit, Radiation Protection Sector, Italy 2 - European Commission, Joint Research Centre, Belgium
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Wednesday 20 November 2013

Wed 9:00 – 10:30 Plenary Session: E&T needs for New Build and upgrade of existing plants

Chair: M. Coeck, Belgian Nuclear Research Centre SCK•CEN, Belgium

	ENSURING AVAILABILITY OF SKILLS TO MEET THE NUCLEAR PROGRAMME	J. Tipa (1) 1 - National Skills Academy Nuclear, United Kingdom
A0092	CURRENT CHALLENGES FOR EDUCATION OF NUCLEAR ENGINEERS: BEYOND NUCLEAR BASICS	C. Schönfelder (1) 1 - AREVA GmbH, Germany
A0093	TRAINING OF LEADERS FOR NUCLEAR NEW BUILD	J. Blomgren (1) 1 - Vattenfall, Sweden
A0091	SAFETY LEADERSHIP: BUILDING SOFT-SKILLS FOR EXEMPLARY SAFETY PERFORMANCE	M. Brown,(1); A. Krauss (1); C. Blair (1); E. Michrowski (1) 1 - Sentis, Australia

10:30 – 10:50 Coffee Break

Wed 10:50 – 12:50 Plenary Session: What are the experiences of countries with an emerging nuclear sector?

Chair: M. Scaffoni, IAEA

A0004	THE SECURITISATION OF NUCLEAR ENERGY POST-SEPTEMBER 11 AND ITS IMPACT ON ASEAN'S NUCLEAR	Han, E. (1) 1 - Energy Studies Institute, National University of Singapore, Singapore
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NETet 2013

NUCLEAR EDUCATION AND TRAINING



ASPIRATIONS

A0025	NUCLEAR SECURITY CURRICULUM DEVELOPMENT IN MOROCCAN UNIVERSITIES, CASABLANCA UNIVERSITY CASE	Sayouty, E.H. (1) 1 - Hassan 2d. University of Casablanca, Faculty of Sciences, Morocco
A0056	OUTCOMES OF INTERNATIONAL INTERDISCIPLINARY NETWORKING	Petre, G. (1); Pavel, G. L. (1) 1 - University Politehnica of Bucharest, Romania
A0064	NUCLEAR TRAINING OF VIETNAMESE UNIVERSITY LECTURERS IN HUNGARY	Aszódi, A. (1); Kiss, I. (2) 1 - Budapest University of Technology and Economics Institute of Nuclear Techniques, Hungary 2 - MVM Paks Nuclear Power Plant Ltd., Hungary
A0077	POLISH EXPERIENCE IN THE PREPARATION OF THE NUCLEAR PROGRAM AND THE EDUCATION OF STUDENTS IN COOPERATION WITH AREVA	Niewinski, G. (1); Mazgaj, P. (1); Swirski, K. (1); Baltin, G. (2); Glaubrecht, S. (2); Leyer, S. (2); Schönfelder, C. (2); Blotas, B. (3); Moussavi, M. (3); Rozwadowski, A. (4) 1 - Institute of Heat Engineering, Warsaw University of Technology, Poland 2 - AREVA GmbH, Germany 3 - AREVA SAS, France 4 - AREVA Polska, Poland

Wed 12:50 – 13:30 Closing Session

Including the announcement of the Poster Award

13:30 – 14:30 Cava & Tapas Farewell

Thursday 21 November 2013

Technical Tours



Poster Session

NESTet2013-A0006	SETTING UP A MANAGEMENT SYSTEM WITH FOCUS ON SAFETY CULTURE: A SPECIALISED TRAINING COURSE FROM TRASNUSAFE	Clarijs, T. (1); Coeck, M. (1); Prošek, A. (2) 1 - Belgian Nuclear Research Centre SCK•CEN, Belgium 2 - Jožef Stefan Institute, Slovenia
NESTet2013-A0009	SOME OBSERVATIONS ON THE CAREER ORIENTATIONS, MOBILITY AND EXPECTATIONS OF PROFESSIONALS IN THE NUCLEAR SECTOR	Von Estorff, U. (1); Epskamp, K. (2); Ferraro, G. (1); Simonovska, V. (1); Thomas, C. (3) 1 - JRC of the EC, Netherlands 2 - European Nuclear Society, Belgium 3 - Thomas Thor Associates, Netherlands
NESTet2013-A0011	TRIGA REACTOR PC-BASED SIMULATOR FOR TRAINING AND EDUCATION	Mesquita, A. Z. (1); Pinto, A. J. (1) 1 - Nuclear Technology Development Centre - CDTN, Brazil
NESTet2013-A0028	AUGMENTED NUCLEAR EDUCATION	Corniani, E. (1); Von Estorff, U. (1); Ogden, H. P. (2) 1 - European Commission Joint Research Centre, Netherlands 2 - Mobilistar, United Kingdom
NESTet2013-A0030	THE NUCLEAR FUELS SCHOOL OF CEA CADARACHE, AN EXPERIMENTAL AND THEORITICAL APPROACH FOR THE EDUCATION AND TRAINING IN THE FIELD OF FUELS	Paul, D. (1) 1 - CEA Cadarache, France
NESTet2013-A0035	DEVELOPMENT OF NUCLEAR POWER TECHNOLOGY PROGRAMMES IN SOUTHEAST TEXAS (USA) THROUGH USE OF A COMMUNITY-BASED EDUCATIONAL COALITION TO ACHIEVE COOPERATION BETWEEN DIFFERENT STAKEHOLDERS	Henry, R. (1); Shawver, R. (2); Kieler, B. (1) 1 - Wharton County Junior College, United States 2 - Brazosport College, United States
NESTet2013-A0038	THE ROLE OF NUCLEAR CHEMISTRY AND RADIOCHEMISTRY IN THE NUCLEAR EDUCATION AND TRAINING	Gropi, F. (1); Bonardi, M. L. (1); Manenti, S. (1); Gini, L. (1); Sabbioni, E. (2) 1 - LASA, Radiochemistry Laboratory, Università Degli Studi and INFN Milano, Segrate (MI), Italy 2 - ECSIN - Veneto Nanotech SpcA - European Center for the Sustainable Impact of Nanotechnology, Rovigo, Italy
NESTet2013-A0045	THE POSSIBILITY OF UTILIZATION OF «CRYSTAL» AND «GIACINT» RESEARCH INSTALLATIONS FOR NUCLEAR EDUCATION AND TRAINING	Sikorin, S. (1); Mandzik, S. (1); Polazau, S. (1); Hryharovich, T. (1) 1 - The Joint Institute for Power and Nuclear Research - Sosny of the National Academy of Sciences of Belarus, Belarus
NESTet2013-A0049	EDUCATION AND TRAINING ON ISIS REACTOR	Wohlber, X. (1); Lescop, B. (2); Foulon, F. (2) 1 - French Alternative Energies and Atomic Energy Commission (CEA), France 2 - National Institute for Nuclear Science and Technology (INSTN), France

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NEStet2013-A0053	IMPLEMENTING PUBLIC PARTICIPATION APPROACHES IN RADIOACTIVE WASTE DISPOSAL IN POLAND	Myslek-Laurikainen, B. (1); Mista, E. (1); Zakrzewska-Trznadel, G. (2) 1 - National Centre for Nuclear Research, Poland 2 - Institute of Nuclear Chemistry and Technology, Poland
NEStet2013-A0058	NEW PATHWAYS TO EDUCATION AND TRAINING IN NUCLEAR ENERGY	Leclair, J. (1); Shih, L.-F. (1); Skinner, A. (1) 1 - Excelsior College, Albany, NY USA, United States
NEStet2013-A0074	COLLABORATIVE NUCLEAR SAFETY TRAINING EFFORTS TO MEET THE NEEDS OF A SMALL COUNTRY	Ala-Heikkilä, J. (1); Aurela, J. (2); Koskinen, K. (3); Kyrki-Rajamäki, R. (4); Salomaa, R. (1) 1 - Aalto University School of Science, Finland 2 - Ministry of Employment and the Economy, Finland 3 - Radiation and Nuclear Safety Authority, Finland 4 - Lappeenranta University of Technology, Finland
NEStet2013-A0075	COLLABORATIVE TRAINING DEVELOPMENT IN NUCLEAR WASTE MANAGEMENT IN FINLAND	Palmu, M. (1); Avolahti, J. (2); Hutri, K.-L. (3); Markovaara-Koivisto, M. (4) 1 - Posiva Oy, Finland 2 - Ministry of Employment and the Economy, Finland 3 - STUK Radiation and Nuclear Safety Authority Finland, Finland 4 - Geological Survey of Finland, Finland
NEStet2013-A0084	RADIATION PROTECTION TRAINING FOR EMERGENCY SERVICES IN AUSTRIA	Neuwirth, J. (1); Hefner, A. (1) 1 - Seibersdorf Laboratories, Austria
NEStet2013-A0085	UTILIZATION OF BRAZILIAN RESEARCH REACTOR TRIGA FOR EDUCATION AND TRAINING	Mesquita, A. Z. (1); Rezende, H. C. (1); Ferreira, A. V. (1); Dalle, H. M. (1) 1 - Nuclear Technology Development Center/Brazilian Nuclear Energy Commission (CDTN/CNEN), Brazil
NEStet2013-A0086	THE EUTERP FOUNDATION: PROVISION OF A CENTRALIZED EUROPEAN SOURCE OF INFORMATION ON RADIATION PROTECTION EDUCATION AND TRAINING	Coeck, M. (1); Paynter, R. (2); Stewart, J. (2); Allisy-Roberts, P. (3); Draaisma, F. (4); Schouwenburg, M. (5) 1 - SCK-CEN, Belgium 2 - Public Health England, United Kingdom 3 - EFOMP, United Kingdom 4 - NRG, Netherlands 5 - TU Delft, Netherlands
NEStet2013-A0087	NUCLEAR EDUCATION AND TRAINING BY THE SCK•CEN ACADEMY FOR NUCLEAR SCIENCE AND TECHNOLOGY	Coeck, M. (1); Berkvens, T. (1); Clarijs, T. (1) 1 - SCK-CEN, Belgium
NEStet2013-A0098	CENEN-NET - NEW GENERATION NUCLEAR ENERGY PARTNERSHIP	Petru, J. (1); Juklickova, H. (1) 1 - ICT Prague, Czech Republic

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